

Features

- Conductive plastic
- PC board and bushing mount
- Plastic or metal bushing and plastic shaft
- Withstands typical industrial washing processes
- Compact package saves board and panel

3310 – 9 mm Square Sealed Panel Control

Electrical Characteristics ¹	
Standard Resistance Range - Linear	1 K ohms to 1 megohn
	±20 °
ndependent Linearity	±5 °
nd Resistance	2 % or 2 ohms maximum (whichever is greate
Effective Electrical Angle	270° ±15
Contact Resistance Variation	
Dielectric Withstanding Voltage (MIL-STD-202 – Method 301)	·
Sea Level	900 VAC minimur
	350 VAC minimur
nsulation Resistance	
Power Rating @ 70 °C (Derate to 0 at 125 °C - Voltage Limited F	By Power Dissipation or 200 VAC, Whichever is Less)
	Essentially infinit
Environmental Characteristics	
Operating Temperature Bange	-40 °C to +125 °C (-40 °F to +257 °F
	55 °C to +125 °C (-67 °F to +257 °F
	±1,000 ppm/°
/ihration	30
	±1 % maximui
	±1 % maximui
	±1 % maximur
	±1 % maximui
	1,000 hou
	±10 % TRS maximu
	50,000 cycle
	±5 % TRS maximu
	±10 % TRS maximui
	IP6
	N/
Mechanical Characteristics	
Mechanical Characteristics	5 65 N.cm (8 oz .in
Stop Strength	
top Strength	
Stop Strength Mechanical Angle Orque Starting Running Mounting (Torque on Bushing) Veight (Single Section) (Each Additional Section)	
Stop Strength	
stop Strength Mechanical Angle Orque Starting Running Mounting (Torque on Bushing) Veight (Single Section) (Each Additional Section) erminals Soldering Condition	
Stop Strength	
Stop Strength Mechanical Angle Orque Starting Running Mounting (Torque on Bushing). Veight (Single Section) (Each Additional Section) 'erminals Soldering Condition Manual Soldering Wave Soldering 96.5Sn/	
stop Strength Mechanical Angle orque Starting Running Mounting (Torque on Bushing) Veight (Single Section) (Each Additional Section) erminals Soldering Condition Manual Soldering Wave Soldering Wash Processes Fol	
stop Strength Mechanical Angle Orque Starting Running Mounting (Torque on Bushing) Weight (Single Section) (Each Additional Section) erminals Soldering Condition Manual Soldering Wave Soldering Wash Processes Marking Manufacturer's	
stop Strength lechanical Angle orque Starting Running Mounting (Torque on Bushing) Weight (Single Section) (Each Additional Section) ferminals Soldering Condition Manual Soldering Wave Soldering Wash Processes Marking Manufacturer's Ganging	
Stop Strength	
top Strength	
Stop Strength Mechanical Angle Forque Starting Running Mounting (Torque on Bushing). Veight (Single Section) (Each Additional Section) Ferminals Soldering Condition Manual Soldering	
stop Strength	
stop Strength Mechanical Angle Orque Starting Running Mounting (Torque on Bushing) Weight (Single Section) (Each Additional Section) Merminals Soldering Condition Manual Soldering Wave Soldering Wash Processes Marking Manual Soldering Manual So	3.53 N-cm (5.0 ozin.) maximul 4.5 gram 4.5 gram 2.5 gram Solderable pir 3.0Ag/0.5Cu solid wire or no-clean rosin cored wire; 370 °C (700 °F) max. for 3 second 96.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 5 second recommended wash processes, please refer to http://www.bourns.com/pdfs/sldclen.pis trademark, model number, product code, terminal style, resistance code and date code 2 cups maximular mounting nut (H-38-1) is shipped with each potentiometer, except bushingless versior Conforms to UL94V- 1P6
Stop Strength Mechanical Angle Orque Starting Running Mounting (Torque on Bushing) Weight (Single Section) (Each Additional Section) Manual Soldering Wave Soldering Wash Processes Marking Manual Soldering Manual Soldering Wash Processes Marking Manual Soldering Manual Soldering Wash Processes Foi Marking Manual Soldering Manufacturer's Sanging Lardware Lammability Poxy Pating Switch Characteristics Switch Life	
Stop Strength Alechanical Angle Forque Starting Running Mounting (Torque on Bushing) Veight (Single Section) (Each Additional Section) Ferminals Soldering Condition Manual Soldering Wave Soldering Wash Processes Foundarking Arking Manufacturer's Ganging Hardware P Rating Switch Characteristics Switch Life Contact Resistance	3.53 N-cm (5.0 ozin.) maximul 4.5 yram 4.5 yram 2.5 yram 2.5 gram 2.5 gram 2.5 gram 2.5 gram 3.0Ag/0.5Cu solid wire or no-clean rosin cored wire; 370 °C (700 °F) max. for 3 second 5.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 5 second 6.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 5 second 6.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 5 second 7.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 5 second 7.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 5 second 7.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 5 second 7.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 5 second 7.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 5 second 7.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 5 second 7.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 5 second 7.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 5 second 7.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 5 second 7.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 5 second 7.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 3 second 7.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 3 second 7.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 3 second 7.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 3 second 7.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 3 second 7.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 3 second 7.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 3 second 7.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 3 second 7.5Sn/3.0Ag/0.5Cu solder with no-clean flux; 260 °C (500 °F) max. for 3 second 7.5Sn/3.0Ag/0.5Cu solder with
Stop Strength Mechanical Angle Forque Starting Running Mounting (Torque on Bushing) Weight (Single Section) (Each Additional Section) Ferminals Soldering Condition Manual Soldering Wave Soldering Wave Soldering Wash Processes Foundarking Manufacturer's Ganging Hardware Characteristics Switch Characteristics Switch Life Contact Resistance Dielectric Strength	
Stop Strength Mechanical Angle Forque Starting Running Mounting (Torque on Bushing) Weight (Single Section) (Each Additional Section) Ferminals Soldering Condition Manual Soldering	



Additional Features

- Audio taper versions available as special order
- RoHS compliant*

3310 - 9 mm Square Sealed Panel Control

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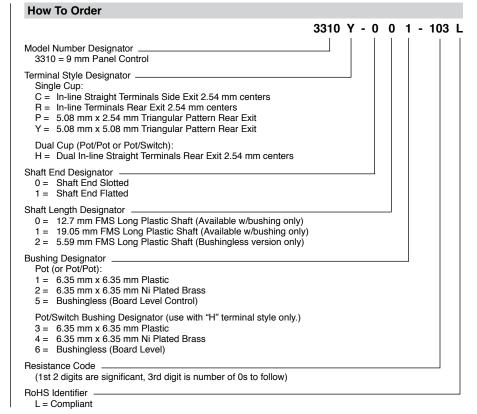
Standard Resistance Table

Resistance (Ohms)	Resistance Code		
1,000	102		
2,000	202		
5,000	502		
10,000	103		
20,000	203		
50,000	503		
100,000	104		
200,000	204		
500,000	504		
1,000,000	105		

Popular values listed in boldface. Consult factory for special resistances.

Date Code Description

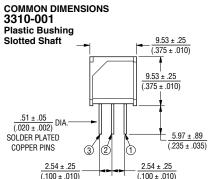


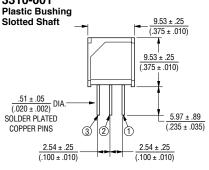


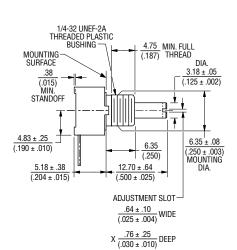
3310 – 9 mm Square Sealed Panel Control

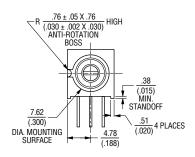
BOURNS

Product Dimensions

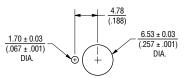


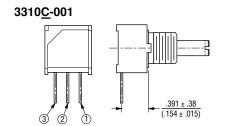




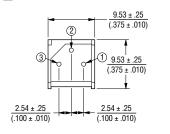


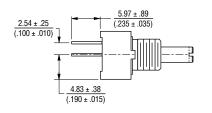
MOUNTING HOLE PATTERN

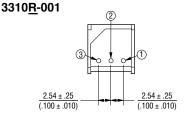


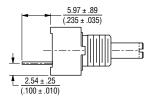


3310P-001

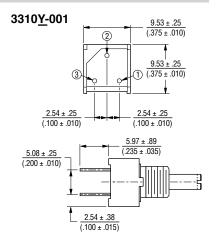




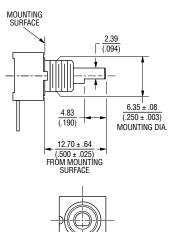




MM DIMENSIONS: (INCHES)



COMMON DIMENSIONS 3310C-101 Plastic Flatted Shaft



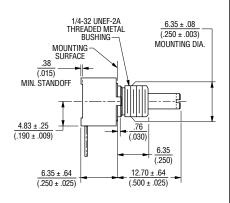


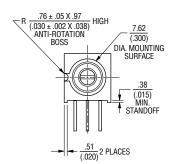
3310 – 9 mm Square Sealed Panel Control

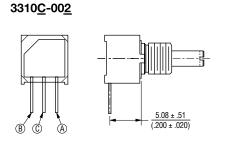
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Product Dimensions

COMMON DIMENSIONS 3310-002 Metal Bushing

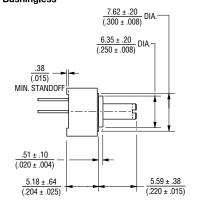


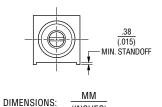




NOTE: * Only recommended shaft length for bushingless version

3310<u>P</u>-0<u>25</u> * Bushingless

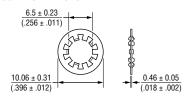




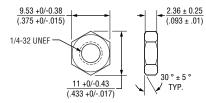
(INCHES)

Hardware

LOCKWASHER H-37-5



NUT H-38-1



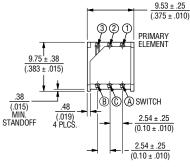
DIMENSIONS: $\frac{MM}{(INCHES)}$

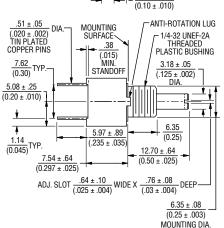
3310 - 9 mm Square Sealed Panel Control

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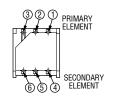
Product Dimensions

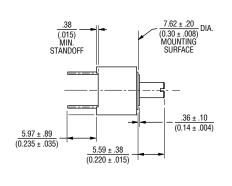
COMMON DIMENSIONS 3310H-003
Pot/Switch Dual Cup
Plastic Bushing



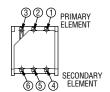


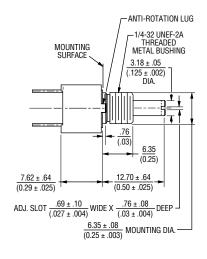
3310<u>H</u>-0<u>25</u>* Pot/Pot Dual Cup Bushingless



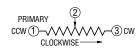


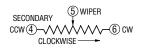
3310<u>H</u>-002 Pot/Pot Dual Cup Metal Bushing





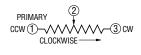
Pot/Pot Dual Cup





DIMENSIONS: $\frac{MM}{(INCHES)}$

Pot/Switch Dual Cup



© COMMON SWITCH CCW (A)—O O—B CW CLOCKWISE—

Pot Single Cup

PRIMARY (2) CCW (1)—VVVVV—(3) CW CLOCKWISE—

NOTE: * Only recommended shaft length for bushingless version

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3310Y-102-103	3310Y-002-104	3310Y-002-105	3310C-002-103	3310Y-002-103	3310R-025-503	3310R-025-502
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3310P-025-503	3310P-001-202	3310P-001-204	3310P-001-203	3310H-001-202	3310H-001-204	3310H-001-203
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3310H-013-504	3310C-001-504	3310C-001-502	3310C-101-503	3310R-101-102	3310H-112-104	3310Y-112-504
3310P-025-104	3310P-025-102					